

Amendments to the Claims

Please amend claims 42-53 as shown below.

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

42. (Currently amended) A method for controlling access links between a mobile station and a network, characterized in that a plurality of branches are established between the network and the mobile station upon a call attempt to or from the mobile station when the mobile station is located at a position where the mobile station it can communicate using diversity handover, the plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate using diversity handover, thereby enabling the mobile station to commence ~~the diversity handover~~ communication using the plurality of branches.

43. (Currently amended) A method according to claim 42, wherein the branches are formed between the network and the mobile station via a single base station, thereby enabling the mobile station to commence ~~intra-cell diversity handover~~ communication using the plurality of branches.

44. (Currently amended) A method according to claim 42, wherein the branches are formed between the network and the mobile station via a plurality of base stations, ~~respectively~~, thereby enabling the mobile station to commence ~~inter-cell diversity handover~~ communication using the plurality of branches.

45. (Currently amended) A method according to claim 42, wherein the mobile station measures the levels of receptions from ~~circumferential~~ surrounding base stations, selects candidate zones for the diversity handover on the basis of the measurement, and notifies the

network about the candidate zones, and the network selects the branches in light of the notification from the mobile station.

46. (Currently amended) A method according to claim 42, wherein the network transmits a message, including a request to establish the branches, to the mobile station and commences ~~the diversity handover for communicating~~ communication with the mobile station using the plurality of branches.

47. (Currently amended) A mobile station characterized in that it establishes a plurality of branches between ~~the~~ a network and the mobile station upon ~~the reception of~~ receiving a message from the network when no access link is established between the network and the mobile station, the message including a request for establishing the branches, thereby commencing ~~the diversity handover~~ communication using the plurality of branches.

48. (Currently amended) A mobile station according to claim 47, wherein if the request ~~instructs~~ includes an instruction to establish the branches between the mobile station and a single base station, the mobile station establishes the requested branches between the mobile station and the single base station, thereby commencing ~~intra-cell diversity handover~~ communication using the plurality of branches.

49. (Currently amended) A mobile station according to claim 47, wherein if the request ~~instructs~~ includes a request to establish the branches between the mobile station and a plurality of base stations, the mobile station establishes the requested branches between the mobile station and the base stations, thereby commencing ~~intra-cell diversity handover~~ communication using the plurality of branches.

50. (Currently amended) A base station controller characterized in that it establishes, when a mobile station is at a location where it can communicate using diversity handover a plurality of branches between a network and a ~~the~~ mobile station upon a call attempt to or from the mobile station, ~~at a location where the mobile station can communicate using diversity~~

~~handover~~, the plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate using diversity handover.

51. (Currently amended) A base station controller characterized in that, when a mobile station is at a location where it can communicate using diversity handover, the base station controller ~~it~~ transmits a message to both of a base station and a mobile station upon a call attempt to or from the mobile station, ~~at a location where the mobile station can communicate by means of intra-cell diversity handover~~ wherein the mobile station and the base station communicate with each other using a plurality of branches, the message including a request for establishing a plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate by means of intra-cell diversity handover.

52. (Currently amended) A base station controller characterized in that, when a mobile station is at a location where it can communicate using diversity handover, the base station controller ~~it~~ transmits a message to a plurality of base stations upon a call attempt to or from the mobile station, ~~at a location where the mobile station can communicate by means of inter-cell diversity handover~~ wherein the mobile station communicates with the plurality of base stations, the message including a request for establishing a plurality of branches between the mobile station and the corresponding base stations.

53. (Currently amended) A base station characterized in that, when a mobile station is at a location where it can communicate using diversity handover, the base station ~~it~~ establishes a plurality of branches between the base station and the mobile station according to an instruction from a base station controller upon a call attempt to or from the mobile station, ~~at a location where the mobile station can communicate by means of intra-cell diversity handover~~ wherein the mobile station and the base station communicate with each other using the plurality of branches, the plurality of branches including a main branch and at least one auxiliary branch for additional use in order that the mobile station may communicate by means of intra-cell diversity handover, thereby enabling the mobile station to commence ~~the intra-cell diversity handover~~ communication using the plurality of branches.